



2fw

5-4-04

2817

PTO/SB/21 (01-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/682.650
Filing Date	10/09/2003
First Named Inventor	Yongei Zhu
Art Unit	2817
Examiner Name	JONES, STEPHEN E
Attorney Docket Number	JSF01-0056D1/WJT08-0

Total Number of Pages in This Submission

5

ENCLOSURES (Check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual	James S. Finn
Signature	
Date	05/03/2004

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date:

05/04/2004

Typed or printed	James S. Finn
Signature	
Date	05/04/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Yongfei Zhu) Group No. 2817
Serial No.: 10/682,650) Examiner: Jones, Stephen E
Filed: 10/09/2003)
For: ELECTRONIC TUNABLE FILTERS WITH DIELECTRIC VARACTORS

Director of the US Patent and Trademark Office
PO Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Express Mail No. <u>EV 283041187 US</u> addressed to:	
Director of the US Patent and Trademark Office PO Box 1450 Alexandria, VA 22313-1450	
on	<u>05/03/2004</u>
Signature	

AMENDMENT AND RESPONSE TO RESTRICTION REQUIREMENT

Response to Restriction Requirement:

In response to the Restriction Requirement dated April 14, 2004 Applicants elect without traverse to prosecute Claims 1 – 11 (claim 5 has been cancelled and claims 6 – 11 are added) limited to the species illustrated in Figs 19 and 30 with Figs. 5, 6, 9, 10, 13, and 14 (Group IV).

Claim Amendments:

Please cancel claim 5 and add claims 6 – 11 as follows:

1. (Original) A radio frequency electronic filter comprising:
an input;
an output;
first and second resonators coupled to the input and the output;
the first resonator including a first voltage tunable dielectric varactor;